Docket No.: MSFT-1753/301638.1
App No.: Not yet assigned
Title: Query Intermediate Language Method and System
Inventors: Michael L. Brundage and Chris A. Suver
Attorney: Jerome G. Schaefer
Phone: (215) 568-3100
Filed: June 23, 2003
Sheet 1 of 4

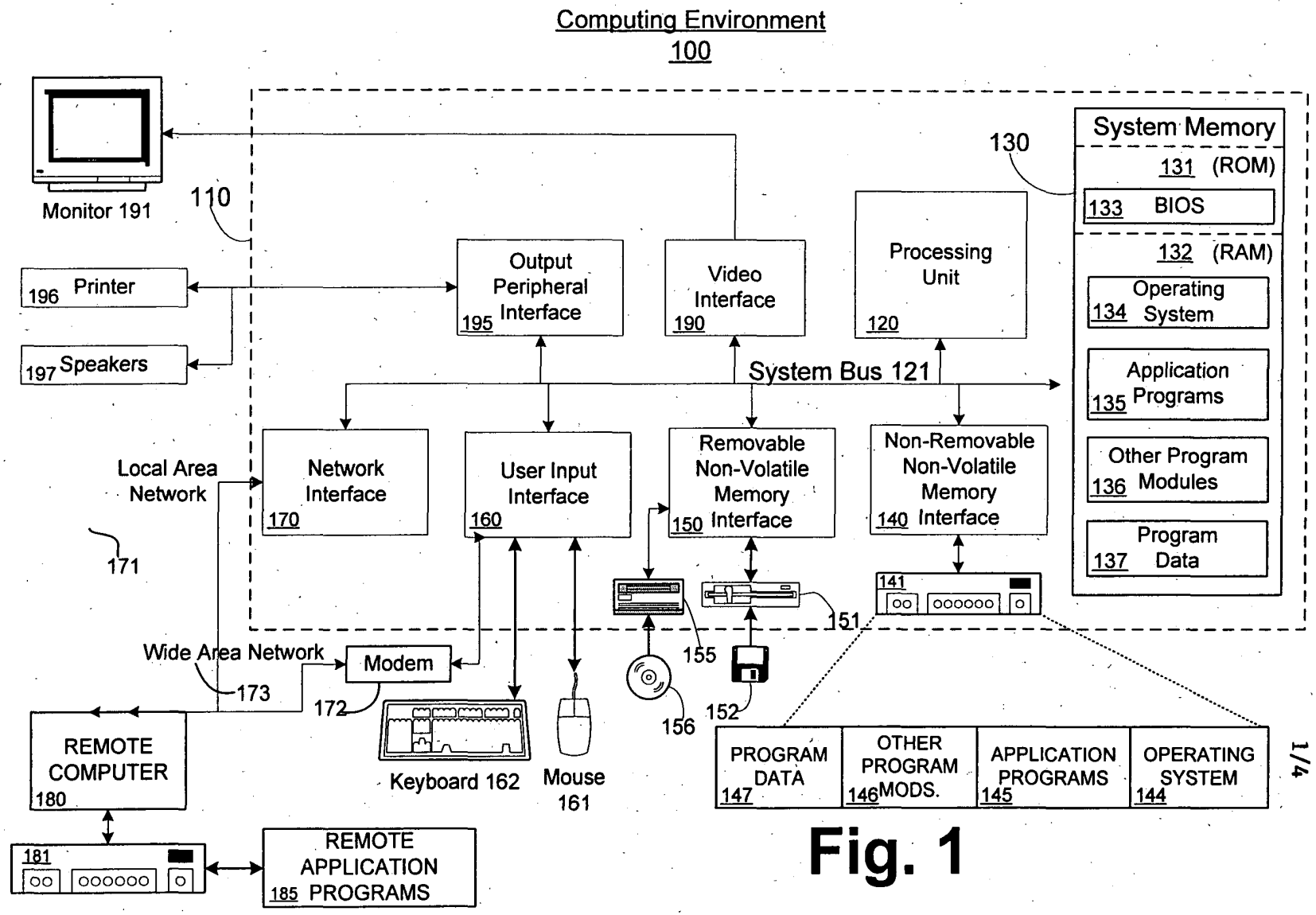

Fig. 1

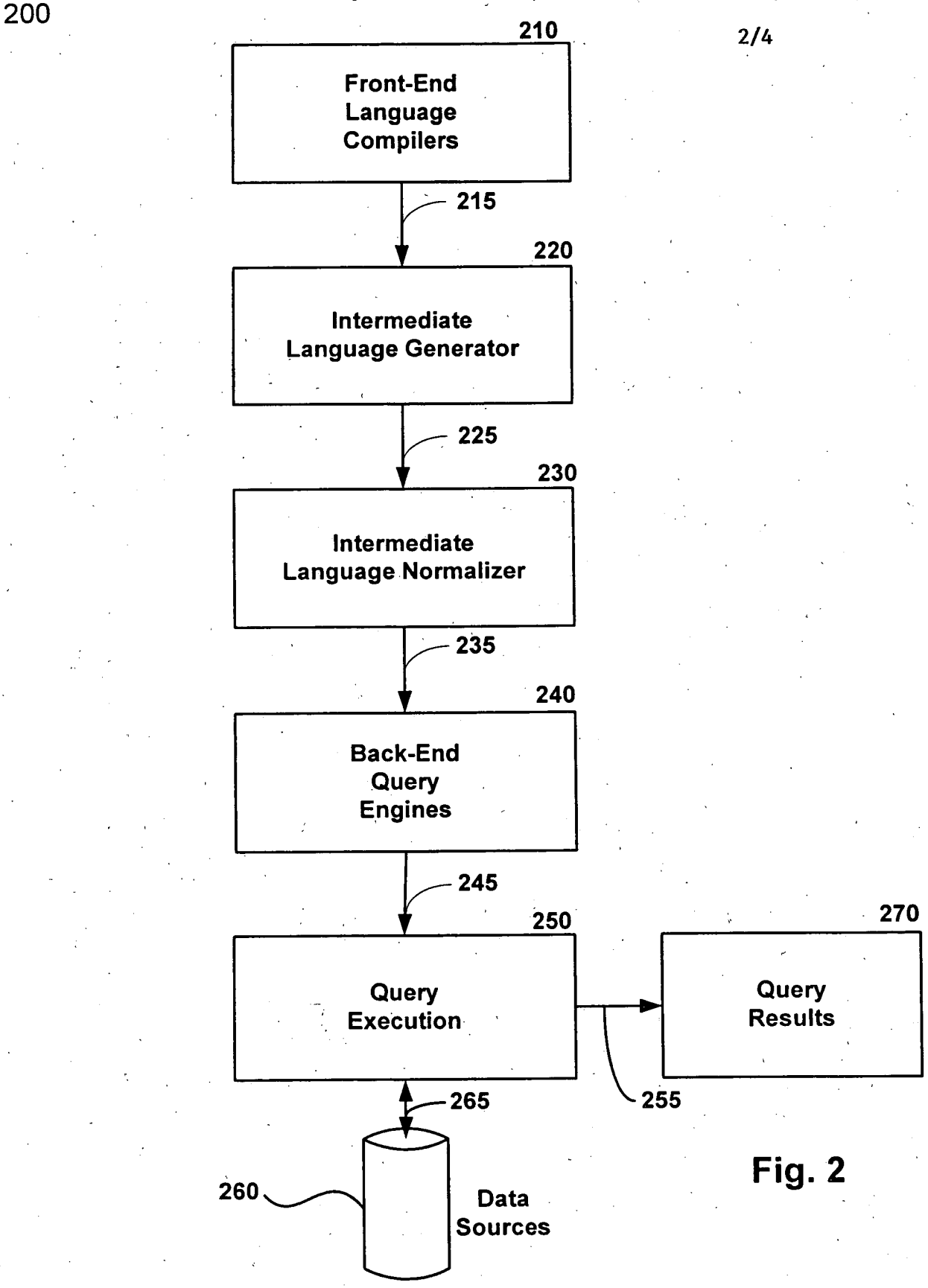
200
210
Front-End Language Compilers
215
220
Intermediate Language Generator
225
230
Intermediate Language Normalizer
235
240
Back-End Query Engines
245
250
Query Execution
270
Query Results
255
265
260
Data Sources

Fig. 2

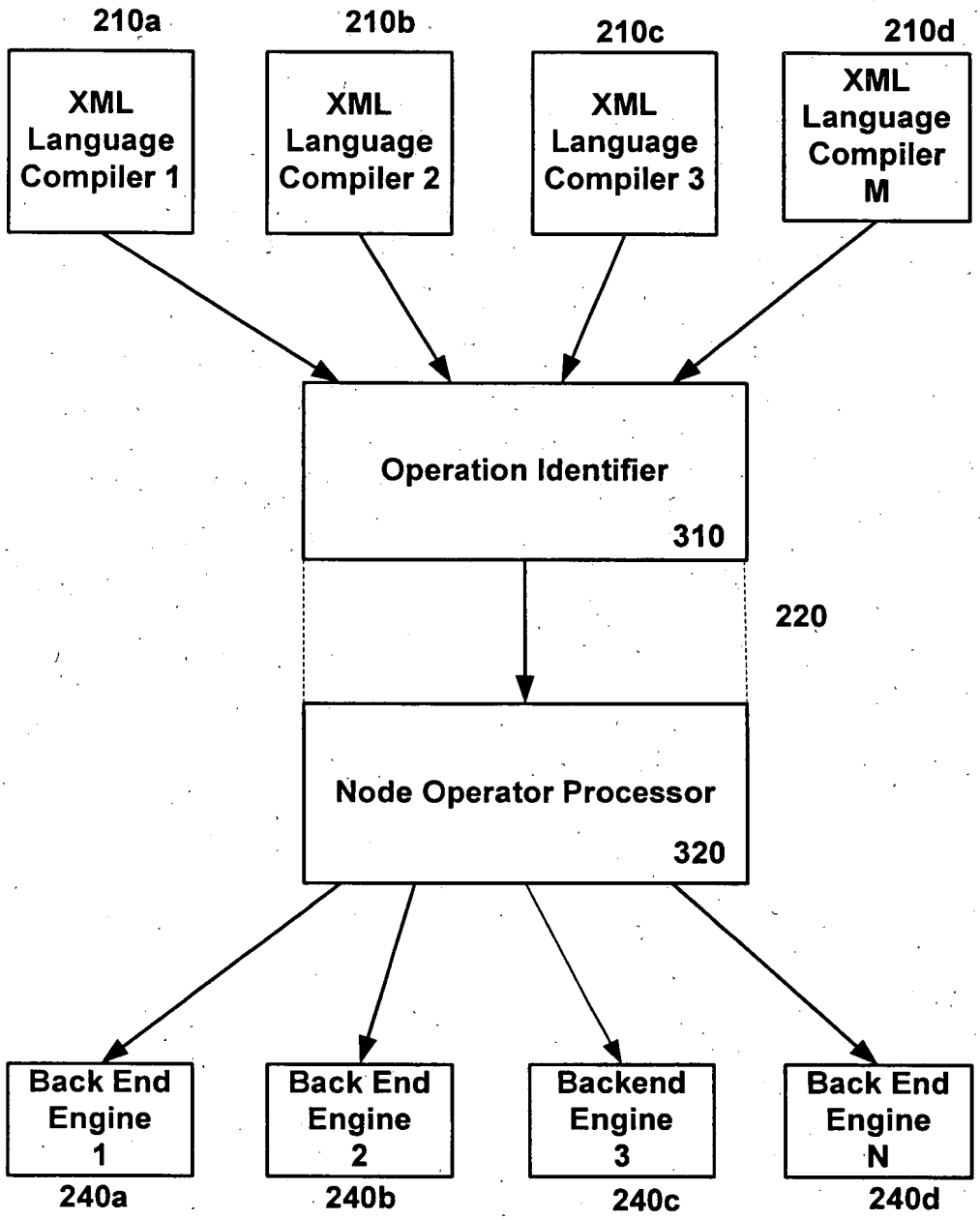
210a
XML Language Compiler 1
210b
XML Language Compiler 2
210c
XML Language Compiler 3
210d
XML Language Compiler M
Operation Identifier
310
220
Node Operator Processor
320
Back End Engine 1
240a
Back End Engine 2
240b
Backend Engine 3
240c
Back End Engine N
240d

Fig. 3

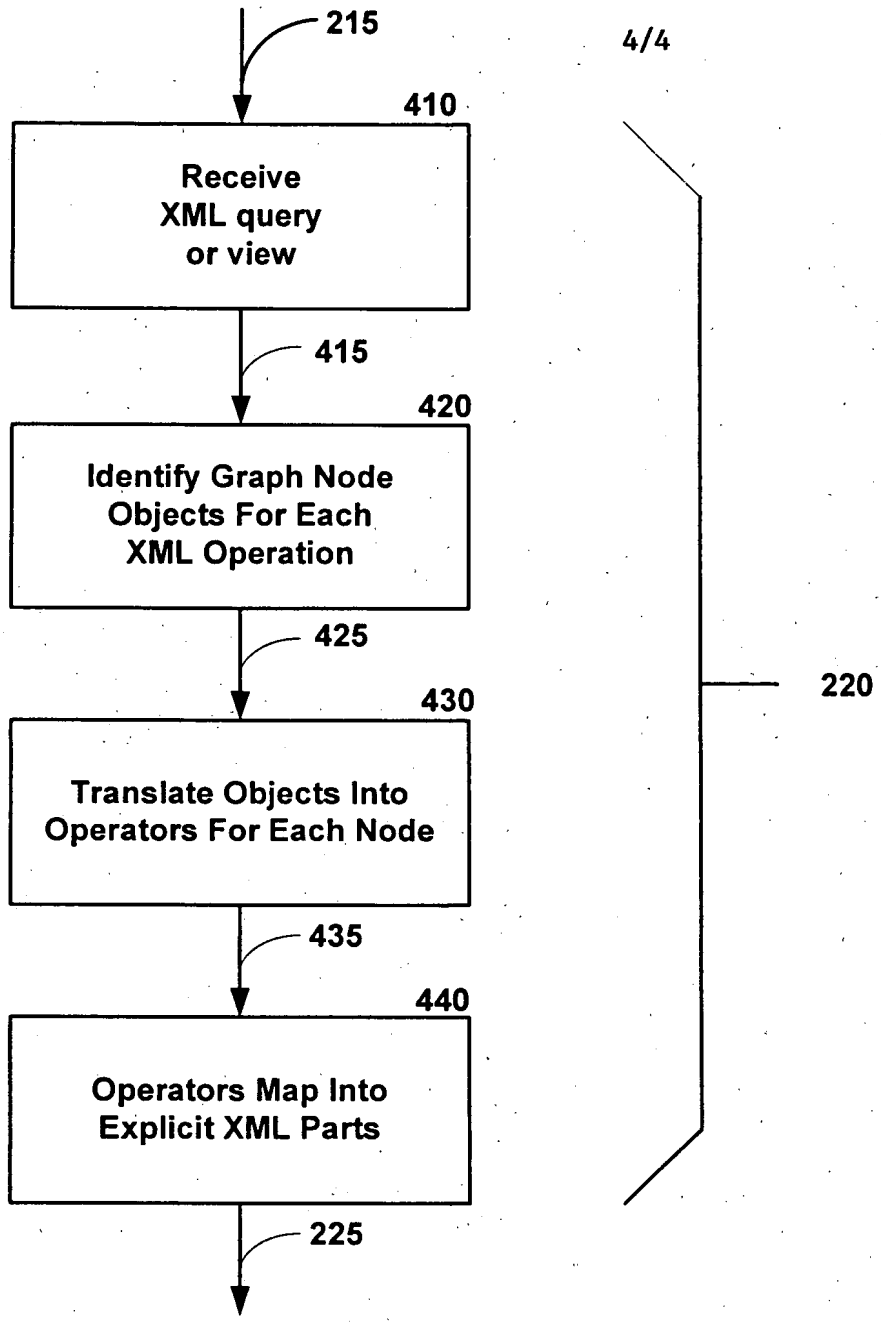
215
410
Receive XML query or view
415
420
Identify Graph Node Objects For Each XML Operation
425
430
Translate Objects Into Operators For Each Node
435
440
Operators Map Into Explicit XML Parts
225
220

Fig. 4